

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
23 February 2006 (23.02.2006)

PCT

(10) International Publication Number  
**WO 2006/020031 A3**

(51) International Patent Classification:

**H04L 29/06** (2006.01) **H04N 7/14** (2006.01)  
**H04L 12/56** (2006.01)

(21) International Application Number:

PCT/US2005/025169

(22) International Filing Date: 14 July 2005 (14.07.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/588,457 15 July 2004 (15.07.2004) US  
11/081,124 15 March 2005 (15.03.2005) US

(71) Applicant (for all designated States except US): **QUALCOMM Incorporated** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ABROL, Nischal** [IN/US]; 12535 Carmel Canyon Road, San Diego, California 92130 (US). **YANG, Tao** [CN/US]; 15357 Maturin Drive, #134, San Diego, California 92127 (US).

(74) Agents: **WADSWORTH, Philip, R.** et al.; 5775 Morehouse Drive, San Diego, California 92121 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

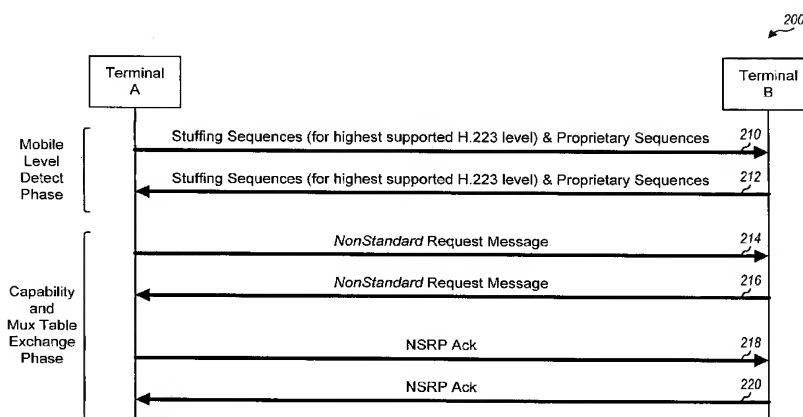
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PERFORMING CALL SETUP FOR A VIDEO CALL IN 3G-324M



(57) Abstract: For quick call setup, terminal A sends to terminal B stuffing sequences for the highest H.223 multiplexer level supported by terminal A and at least one proprietary sequence. The proprietary sequence indicates support for quick call setup and contains video and audio codecs supported by terminal A. Terminal A monitors for stuffing and proprietary sequences sent by terminal B. If terminal A receives a proprietary sequence from terminal B, then terminal A sends an H.245 NonStandard request message containing the information in the proprietary sequence sent to terminal B, video and/or audio capabilities supported by terminal A, and entries for a multiplex table used by terminal A. Terminal A monitors for a NonStandard request message from terminal B, which contains video and audio capabilities and multiplex table entries for terminal B. Terminals A and B are ready to communicate upon each terminal receiving an acknowledgment from the other terminal.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**(88) Date of publication of the international search report:**  
27 April 2006

# INTERNATIONAL SEARCH REPORT

lional application No

US2005/025169

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> H04L29/06 H04L12/56 H04N7/14		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) H04L		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	W0 2004/054221 A (MACCHINA PTY LIMITED) 24 June 2004 (2004-06-24) abstract page 2, line 10 - line 26 page 3, line 33 - line 35 page 4, line 7 - line 16 page 4, line 32 - line 34 page 5, line 33 - line 12 page 6, line 30 - page 7, line 6 page 7, line 22 - line 30 page 9, line 9 - line 27 page 11, line 3 - line 23 ----- -/--	1-29
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search 27 February 2006		Date of mailing of the international search report 10/03/2006
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Dockhorn, H

## INTERNATIONAL SEARCH REPORT

International application No

US2005/025169

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 1 143 684 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD)  10 October 2001 (2001-10-10)  paragraphs '0002! - '0006!  paragraphs '0012!, '0013!  paragraph '0016!  paragraphs '0033!, '0034!  paragraph '0036!  paragraph '0042!</p> <p>-----</p>	1, 15, 20, 25
L	<p>DILITHIUM NETWORKS: "REDUCING 3G CALL SESSION SETUP TIME USING ACCELERATED SETUP METHODS" 'Online! September 2005 (2005-09), XP002369803  PETALUMA, CA, USA  Retrieved from the Internet:  URL: <a href="http://www.dilithiumnetworks.com/technology/whitepapers.htm">http://www.dilithiumnetworks.com/technology/whitepapers.htm</a>  'retrieved on 2006-02-23!</p> <p>-----</p>	
L	<p>RADVISION: "THE PREFERRED SOLUTION FOR REDUCING 3G-324M CALL SETUP TIME" 'Online! 2005, XP002369804  Retrieved from the Internet:  URL: <a href="http://www.radvision.com/ResourceLibrary/StandardsWatch/WNSRP/download.htm">http://www.radvision.com/ResourceLibrary/StandardsWatch/WNSRP/download.htm</a>  'retrieved on 2006-02-23!</p> <p>-----</p>	
L	<p>RADVISION: "3G POWERED 3G-324M PROTOCOL" 'Online! August 2002 (2002-08), XP002369805  Retrieved from the Internet:  URL: <a href="http://www.radvision.com/NR/rdonlyres/6066D65E-9E2E-4786-822A-B1FDBF59A86A/0/3GPowered3GH324MProtocol.pdf">http://www.radvision.com/NR/rdonlyres/6066D65E-9E2E-4786-822A-B1FDBF59A86A/0/3GPowered3GH324MProtocol.pdf</a>  'retrieved on 2006-02-23!</p> <p>-----</p>	

# INTERNATIONAL SEARCH REPORT

International application No  
/US2005/025169

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2004054221 A	24-06-2004	AU 2003291838 A1 EP 1570639 A1	30-06-2004 07-09-2005
EP 1143684 A	10-10-2001	AU 7959700 A CN 1327668 A WO 0133809 A1 JP 2001127824 A	14-05-2001 19-12-2001 10-05-2001 11-05-2001